

## RAW SEQUENCE LISTING

EFS

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/562,561A  
Source: FWJ6  
Date Processed by STIC: 3/12/07

# *ENTERED*



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/562,561A

DATE: 03/12/2007

TIME: 16:28:27

Input Set : N:\efs\03\_12\_07\10562561A\_efs\02728L.txt  
 Output Set: N:\CRF4\03122007\J562561A.raw

3 <110> APPLICANT: Sirna Therapeutics, Inc.  
 4       McSwiggen, James  
 5       Beigelman, Leonid  
 7 <120> TITLE OF INVENTION: RNA Interference Mediated Treatment of Alzheimer's Disease  
 Using  
 8       Short Interfering Nucleic Acid (siNA)  
 10 <130> FILE REFERENCE: 400/166 (MBHB02-728-L)  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/562,561A  
 C--> 13 <141> CURRENT FILING DATE: 2006-06-19  
 15 <150> PRIOR APPLICATION NUMBER: US 10/607933  
 16 <151> PRIOR FILING DATE: 2003-06-27  
 18 <150> PRIOR APPLICATION NUMBER: US 09/930423  
 19 <151> PRIOR FILING DATE: 2001-08-15  
 21 <150> PRIOR APPLICATION NUMBER: PCT/US03/04710  
 22 <151> PRIOR FILING DATE: 2003-02-18  
 24 <150> PRIOR APPLICATION NUMBER: US 10/205309  
 25 <151> PRIOR FILING DATE: 2002-07-25  
 27 <150> PRIOR APPLICATION NUMBER: PCT/US04/16390  
 28 <151> PRIOR FILING DATE: 2004-05-24  
 30 <150> PRIOR APPLICATION NUMBER: US 10/826966  
 31 <151> PRIOR FILING DATE: 2004-04-16  
 33 <150> PRIOR APPLICATION NUMBER: US 10/757803  
 34 <151> PRIOR FILING DATE: 2004-01-14  
 36 <150> PRIOR APPLICATION NUMBER: US 10/720448  
 37 <151> PRIOR FILING DATE: 2003-11-24  
 39 <150> PRIOR APPLICATION NUMBER: US 10/693059  
 40 <151> PRIOR FILING DATE: 2003-10-23  
 42 <150> PRIOR APPLICATION NUMBER: US 10/444853  
 43 <151> PRIOR FILING DATE: 2003-05-23  
 45 <150> PRIOR APPLICATION NUMBER: PCT/US03/05346  
 46 <151> PRIOR FILING DATE: 2003-02-20  
 48 <150> PRIOR APPLICATION NUMBER: PCT/US03/05028  
 49 <151> PRIOR FILING DATE: 2003-02-20  
 51 <150> PRIOR APPLICATION NUMBER: US 60/385580  
 52 <151> PRIOR FILING DATE: 2002-02-20  
 54 <150> PRIOR APPLICATION NUMBER: US 60/363124  
 55 <151> PRIOR FILING DATE: 2002-03-11  
 57 <150> PRIOR APPLICATION NUMBER: US 60/386782  
 58 <151> PRIOR FILING DATE: 2002-06-06  
 60 <150> PRIOR APPLICATION NUMBER: US 60/406784  
 61 <151> PRIOR FILING DATE: 2002-08-29  
 63 <150> PRIOR APPLICATION NUMBER: US 60/408378  
 64 <151> PRIOR FILING DATE: 2002-09-05  
 66 <150> PRIOR APPLICATION NUMBER: US 60/409293

See P. 6

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Input Set : N:\efs\03\_12\_07\10562561A\_efs\02728L.txt  
 Output Set: N:\CRF4\03122007\J562561A.raw

67 <151> PRIOR FILING DATE: 2002-09-09  
 69 <150> PRIOR APPLICATION NUMBER: US 60/440129  
 70 <151> PRIOR FILING DATE: 2003-01-15  
 72 <150> PRIOR APPLICATION NUMBER: PCT/US04/13456  
 73 <151> PRIOR FILING DATE: 2004-04-30  
 75 <150> PRIOR APPLICATION NUMBER: US 10/780447  
 76 <151> PRIOR FILING DATE: 2004-02-13  
 78 <150> PRIOR APPLICATION NUMBER: US 10/427160  
 79 <151> PRIOR FILING DATE: 2004-04-30  
 81 <150> PRIOR APPLICATION NUMBER: PCT/US02/15876  
 82 <151> PRIOR FILING DATE: 2002-05-17  
 84 <150> PRIOR APPLICATION NUMBER: US 60/362016  
 85 <151> PRIOR FILING DATE: 2002-03-06  
 87 <150> PRIOR APPLICATION NUMBER: US 60/292217  
 88 <151> PRIOR FILING DATE: 2001-05-18  
 90 <150> PRIOR APPLICATION NUMBER: US 10/727780  
 91 <151> PRIOR FILING DATE: 2003-12-03  
 93 <150> PRIOR APPLICATION NUMBER: US 60/543480  
 94 <151> PRIOR FILING DATE: 2004-02-10  
 96 <160> NUMBER OF SEQ ID NOS: 1905  
 98 <170> SOFTWARE: PatentIn version 3.3  
 100 <210> SEQ ID NO: 1  
 101 <211> LENGTH: 19  
 102 <212> TYPE: RNA  
 103 <213> ORGANISM: Artificial Sequence  
 105 <220> FEATURE:  
 106 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA  
 107 sense region  
 109 <400> SEQUENCE: 1  
 110 uuuccucggc agcgguagg 19  
 113 <210> SEQ ID NO: 2  
 114 <211> LENGTH: 19  
 115 <212> TYPE: RNA  
 116 <213> ORGANISM: Artificial Sequence  
 118 <220> FEATURE:  
 119 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA  
 120 sense region  
 122 <400> SEQUENCE: 2  
 123 gcgagagcac gcgaggag 19  
 126 <210> SEQ ID NO: 3  
 127 <211> LENGTH: 19  
 128 <212> TYPE: RNA  
 129 <213> ORGANISM: Artificial Sequence  
 131 <220> FEATURE:  
 132 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA  
 133 sense region  
 135 <400> SEQUENCE: 3  
 136 gcgugcgcgg gggcccccgg 19  
 139 <210> SEQ ID NO: 4

## RAW SEQUENCE LISTING

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Input Set : N:\efs\03\_12\_07\10562561A\_efs\02728L.txt  
Output Set: N:\CRF4\03122007\J562561A.raw

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141 <212> TYPE: RNA  
142 <213> ORGANISM: Artificial Sequence  
144 <220> FEATURE:  
145 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA  
146 sense region  
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149 ggagacggcg gcgguggcg 19  
152 <210> SEQ ID NO: 5  
153 <211> LENGTH: 19  
154 <212> TYPE: RNA  
155 <213> ORGANISM: Artificial Sequence  
157 <220> FEATURE:  
158 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA  
159 sense region  
161 <400> SEQUENCE: 5  
162 ggcgcggca gagcaagga 19  
165 <210> SEQ ID NO: 6  
166 <211> LENGTH: 19  
167 <212> TYPE: RNA  
168 <213> ORGANISM: Artificial Sequence  
170 <220> FEATURE:  
171 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA  
172 sense region  
174 <400> SEQUENCE: 6  
175 acgcggcgga ucccacucg 19  
178 <210> SEQ ID NO: 7  
179 <211> LENGTH: 19  
180 <212> TYPE: RNA  
181 <213> ORGANISM: Artificial Sequence  
183 <220> FEATURE:  
184 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA  
185 sense region  
187 <400> SEQUENCE: 7  
188 gcacagcagc gcacucggu 19  
191 <210> SEQ ID NO: 8  
192 <211> LENGTH: 19  
193 <212> TYPE: RNA  
194 <213> ORGANISM: Artificial Sequence  
196 <220> FEATURE:  
197 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA  
198 sense region  
200 <400> SEQUENCE: 8  
201 ugccccgcgc agggucgcg 19  
204 <210> SEQ ID NO: 9  
205 <211> LENGTH: 19  
206 <212> TYPE: RNA  
207 <213> ORGANISM: Artificial Sequence  
209 <220> FEATURE:

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Input Set : N:\efs\03\_12\_07\10562561A\_efs\02728L.txt  
 Output Set: N:\CRF4\03122007\J562561A.raw

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 211 sense region  
 213 <400> SEQUENCE: 9  
 214 gaugcugccc gguuuggca 19  
 217 <210> SEQ ID NO: 10  
 218 <211> LENGTH: 19  
 219 <212> TYPE: RNA  
 220 <213> ORGANISM: Artificial Sequence  
 222 <220> FEATURE:  
 223 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA  
 224 sense region  
 226 <400> SEQUENCE: 10  
 227 acugcuccug cuggccgccc 19  
 230 <210> SEQ ID NO: 11  
 231 <211> LENGTH: 19  
 232 <212> TYPE: RNA  
 233 <213> ORGANISM: Artificial Sequence  
 235 <220> FEATURE:  
 236 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA  
 237 sense region  
 239 <400> SEQUENCE: 11  
 240 cuggacggcu cgggcgcug 19  
 243 <210> SEQ ID NO: 12  
 244 <211> LENGTH: 19  
 245 <212> TYPE: RNA  
 246 <213> ORGANISM: Artificial Sequence  
 248 <220> FEATURE:  
 249 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA  
 250 sense region  
 252 <400> SEQUENCE: 12  
 253 ggagguaccc acugauggu 19  
 256 <210> SEQ ID NO: 13  
 257 <211> LENGTH: 19  
 258 <212> TYPE: RNA  
 259 <213> ORGANISM: Artificial Sequence  
 261 <220> FEATURE:  
 262 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA  
 263 sense region  
 265 <400> SEQUENCE: 13  
 266 uaaugcuggc cugcuggcu 19  
 269 <210> SEQ ID NO: 14  
 270 <211> LENGTH: 19  
 271 <212> TYPE: RNA  
 272 <213> ORGANISM: Artificial Sequence  
 274 <220> FEATURE:  
 275 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA  
 276 sense region  
 278 <400> SEQUENCE: 14  
 279 ugaaccccaag auugccaug 19

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/562,561A

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Input Set : N:\efs\03\_12\_07\10562561A\_efs\02728L.txt  
Output Set: N:\CRF4\03122007\J562561A.raw

282 <210> SEQ ID NO: 15  
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284 <212> TYPE: RNA  
285 <213> ORGANISM: Artificial Sequence  
287 <220> FEATURE:  
288 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA  
289 sense region  
291 <400> SEQUENCE: 15  
292 guucuguggc agacugaac 19  
295 <210> SEQ ID NO: 16  
296 <211> LENGTH: 19  
297 <212> TYPE: RNA  
298 <213> ORGANISM: Artificial Sequence  
300 <220> FEATURE:  
301 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA  
302 sense region  
304 <400> SEQUENCE: 16  
305 caugcacaaug aauguccag 19  
308 <210> SEQ ID NO: 17  
309 <211> LENGTH: 19  
310 <212> TYPE: RNA  
311 <213> ORGANISM: Artificial Sequence  
313 <220> FEATURE:  
314 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA  
315 sense region  
317 <400> SEQUENCE: 17  
318 gaaugggaag ugggauuca 19  
321 <210> SEQ ID NO: 18  
322 <211> LENGTH: 19  
323 <212> TYPE: RNA  
324 <213> ORGANISM: Artificial Sequence  
326 <220> FEATURE:  
327 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA  
328 sense region  
330 <400> SEQUENCE: 18  
331 agauccauca gggaccaa 19  
334 <210> SEQ ID NO: 19  
335 <211> LENGTH: 19  
336 <212> TYPE: RNA  
337 <213> ORGANISM: Artificial Sequence  
339 <220> FEATURE:  
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341 sense region  
343 <400> SEQUENCE: 19  
344 aaccugcauu gauaccaa 19  
347 <210> SEQ ID NO: 20  
348 <211> LENGTH: 19  
349 <212> TYPE: RNA  
350 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/12/2007  
PATENT APPLICATION: US/10/562,561A TIME: 16:28:28

Input Set : N:\efs\03\_12\_07\10562561A\_efs\02728L.txt  
Output Set: N:\CRF4\03122007\J562561A.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1883; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:1884; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:1885; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:1886; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:1887; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:1888; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:1889; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:1890; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:1891; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21

### Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1883; Line(s) 37834  
Seq#:1884; Line(s) 37878

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/562,561A

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TIME: 16:28:28

Input Set : N:\efs\03\_12\_07\10562561A\_efs\02728L.txt  
Output Set: N:\CRF4\03122007\J562561A.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:37845 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1883 after pos.:0  
L:37886 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1884 after pos.:0  
L:37923 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1885 after pos.:0  
L:37965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1886 after pos.:0  
L:38004 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1887 after pos.:0  
L:38046 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1888 after pos.:0  
L:38085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1889 after pos.:0  
L:38124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1890 after pos.:0  
L:38166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1891 after pos.:0